

	LECCO	RIDGI	Ξ													DATE	: Dec-16			1	WINTE	ER NA	TURA	LAIR	HANGE RATE 0.30	HEAT LOS	S AT °F	. 72			CSA-F2
BUILDER:	GREEN	YPARK	HOME	ES			٦	TYPE:	JUNIPER	7		(GFA: 3	3113		LO#	71352								HANGE RATE 0.10						ENERGY
ROOM USE				MBR			ENS		V	/IC	T	BED-2		E	ED-3	T	BED-4			BATH		Г	ENS				T			T	
EXP. WALL				34			28			7		14	- 1		42	1	14			7			22				1				
CLG. HT.				10			9			9		9	ı		10		9			9			9								
ı	FACTO)RS					•			•		•					•			٠		1	•				1				
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GLAZING	1000	GAIN		LOSS	CAIN		LOSS	SAIN		SS GAIN	.1	LOSS G	- 4141		.OSS GAIN	, l	LOSS	~ ^ 1 1		LOSS	CAIN	1		S GAII	,						
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EAST	17.9	41.4	0	0	0	0	0	0		0 0	33		1367		1357 3148		0	0	0	0	0	16	286		' I		-	O144	N 0	- N 41	што
SOUTH		24.8	0	0	0	14		347	_	0 0	0	0	0	0	0 0	15		372	7	125	173	0	0	0	1						ILTO
WEST	17.9	41.4	40	714	1657	13		538		25 290		0	0	0	0 0	0	0	0	0	0	0	0	0	0	1	MILTON PLANT	NING				
SKYLT.		101.2	0	0	0	0	0	0		0 0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0		MILTON		JL	JNIPE	ER 7	MODE
DOORS	24.1	4.7	0	0	0	0	0	0		0 0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	1	BUILDING: R	E\/IE	:\//ED			
NET EXPOSED WALL	2.6	0.5	300	785	152	225	589	114	56 1	47 28	93	243	47	344	900 174	111	290	56	56	147	28	182	476	92					,		
NET EXPOSED BSMT WALL ABOVE GR	3.3	0.6	0	0	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0		SCOTT SHEF	RRIF	FS		APR	7, 20
EXPOSED CLG	1.4	0.7	288	397	197	195	269	134	112 1	64 77	172	237	118	191	263 131	210	289	144	140	193	96	96	132	66		PLANS EXAMINE	R				DA
NO ATTIC EXPOSED CLG	2.2	1.1	0	O	0	0	0	0	0	0 0	20	45	22	138	310 154	0	0	0	0	0	0	0	0	0		Neither the issuand	ce of a	permit	nor ca	arrvina c	out of
EXPOSED FLOOR	2.2	0.4	0	0	0	0	0	0	0	0 0	192	421	81	20	44 8	0	0	0	20	44	8	96	210	41		inspections by the	Town	of Milto	n relive	es the c	owner fro
BASEMENT/CRAWL HEAT LOSS	l			0		1	0			0	1	0			0		0			0	-		0			full responsibility fo	or comp	pliance	with th	ne provi	isions of
SLAB ON GRADE HEAT LOSS	1			ō		l	0			0	1	ō	- 1		0		0	I		0		1	0		1	the Ontario Buildin	g Code	e Act a	nd the	Ontario	Building
SUBTOTAL HT LOSS	1			1896			1339			26	1	1535	- 1		2874		848			508		1	110	5		Code, both as ame					
SUB TOTAL HT GAIN	1			.500	2006			1133	· •	395	.1		1635	•	3615			572		550	306	1		861		statutes and regula By-laws of the Rec					
LEVEL FACTOR / MULTIPLIER			0.20	0.30		0.20	0.30		0.20 0.			0.30	1	0.20		1	0.30	ا ۲۰۰۲	0.20	0.30	500	0 20	0.30			by-laws of the Reg	JIUIT UT	าสเเบก	and 10	OWIT OF I	IVIIILON
AIR CHANGE HEAT LOSS			0.20	573		0.20	405			29	0.20	464			869	0.20	256		0.20	154		0.20	334			1				•	
AIR CHANGE HEAT GAIN				0,0	155		400	87	•	30	1		126		279	1	200			104	04	1	004	66					REC	CEIV	/ED
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HEAT GAIN PEOPLE	240		_		- 1	1		- 1		0	١.		- 1		477	١.		0	_		33			156	•				MAR	29, 2	2017
HEAT GAIN APPLIANCES/LIGHTS	240		2		480	1		240	0	-	1		240	1	240	1		240	0		0	l۳		0					11.11	VIPER	R 7
TOTAL HT LOSS BTU/H		-			633			0	_	0			633		633	1		633			0	ŀ	450	633			1		001	4 11 E1	
TOTAL HT GAIN x 1.3 BTU/H				2469	4256		1744		0	55 553		2199		-	1117		1104			728			158	-			1	BU	ILDIN	NG DI	IVISIO
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ROOM USE				LV/DN			OFF	П	КТ	/FM			T	L	AUN	Π	W/R			FOY		Γ	MUI	5	T	T	T	WOD		l	BAS
ROOM USE EXP. WALL				LV/DN 26			OFF 23		KT						AUN 11		W/R 7			FOY 20			MUI 28)							
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EXP. WALL	FACTO	ıRS		26	l		23		7	8					11		7			20			28)							
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EXP. WALL CLG. HT. GRS. WALL AREA GLAZING NORTH	17.9 17.9	15.8 41.4	0	26 10 260 LOSS 0	GAIN 0		23 10 230 LOSS (158	7 1 7 LO	8 0 80 8S GAIN 0 0	7			L 7	11 9 99 OSS GAIN 125 111	0	7 10 70 LOSS 0 0	0	20	20 10 200 LOSS 357	317		28 11 308 LOS 161	S GAII	1		6 0	38 10 361 LOSS	95 0	3 0	180 10 1284 LOSS
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST	17.9 17.9 17.9	GAIN 15.8	0	26 10 260 LOSS 0	GAIN 0 0	37	23 10 230 LOSS (179 661	158 1533	77 1 LO 0 (8 0 80 8S GAIN 0 0				7 0	11 9 99 OSS GAIN 125 111 0 0	0	7 10 70 LOSS 0 0	0	20 6	20 10 200 LOSS 357 107	317 249	0	28 11 308 LOS 161 0	S GAII 143 0	1		6 0 0	38 10 361 LOSS 107 0	95 0 0	3 0 0	180 10 1284 LOSS 54 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH	17.9 17.9 17.9 17.9	15.8 41.4 24.8	0 0 34	26 10 260 LOSS 0 0	GAIN 0 0	37 0	23 10 230 LOSS (179 661 0	158 1533 0	77 1 LO 0 (80 80 8S GAIN 0 0 0 0 0 0				7 0	11 9 99 OSS GAIN 125 111 0 0	0 0 7	7 10 70 LOSS 0 0 0	0 0 173	20 6 0	200 10 200 LOSS 357 107 0	317 249 0	0	28 11 308 LOS 161 0	S GAII 143 0 0	1		1 *	38 10 361 LOSS 107 0	95 0 0 0	3 0 0	180 10 1284 LOSS 0 54 0 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST	17.9 17.9 17.9 17.9 17.9 30.6	15.8 41.4 24.8 41.4 101.2	0 0 34 0	260 LOSS 0 0 607	GAIN 0 0	37 0 0 0	23 10 230 LOSS 0 179 661 0	158 1533 0 0	77 10 0 4 0 6 0 6 111 19	8 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				7 0 0	11 9 99 OSS GAIN 125 111 0 0 0 0	0 0 7 0	7 10 70 LOSS 0 0 0 125 0	0 0 173 0	20 6 0	200 100 200 LOSS 357 107 0 0	317 249 0 0	0 0 0	28 11 308 LOS 161 0 0	S GAII 143 0 0 0	1		0	38 10 361 LOSS 107 0 0	95 0 0 0	3 0 0 0	180 10 1284 LOSS 6 54 0 0 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT.	17.9 17.9 17.9 17.9 30.6 24.1	15.8 41.4 24.8 41.4	0 0 34 0 0	26 10 260 LOSS 0 0 607 0	GAIN 0 0 842 0	37 0 0 0 0	23 10 230 LOSS 0 179 661 0 0	158 1533 0 0 0 0	77 10 0 0 0 0 111 19 0 0	80 80 8SS GAIN 0 0 0 0 0 0 82 4598 0 0				7 0 0 0	11 9 99 OSS GAIN 125 111 0 0 0 0 0 0	0 0 7 0 0	7 10 70 LOSS 0 0 125 0	0 0 173 0 0	20 6 0 0	200 100 200 LOSS 357 107 0 0 481	317 249 0 0 0 93	0 0 0 0 20	28 11 308 LOS 161 0 0 0 481	S GAII 143 0 0 0 0 0			0 0	38 10 361 LOSS 107 0 0 0	95 0 0 0 0	3 0 0 0 0 20	180 10 1284 LOSS 54 0 0 0 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS	17.9 17.9 17.9 17.9 30.6 24.1 2.6	15.8 41.4 24.8 41.4 101.2 4.7 0.5	0 0 34 0	26 10 260 LOSS 0 0 607 0	GAIN 0 0 842 0 0	37 0 0 0 0 0	23 10 230 LOSS 0 179 661 0 0 0 0	158 1533 0 0 0	77 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	88 0 88 GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				7 0 0 0	99 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 241 47	0 0 7 0	7 10 70 LOSS 0 0 125 0	0 0 173 0 0 0 32	20 6 0 0 0 20	200 100 200 LOSS 357 107 0 0	317 249 0 0 0 93 78	0 0 0 0 20 279	28 11 308 LOS 161 0 0 0 481 730	S GAII 143 0 0 0 0 93 141			0 0 0	38 10 361 LOSS 107 0 0 0	95 0 0 0 0	3 0 0 0 0 20	180 10 1284 LOSS 54 0 0 0 0 481
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6	0 0 34 0 0 0 226	26 10 260 LOSS 0 0 607 0 0 0 591	GAIN 0 0 842 0 0	37 0 0 0 0 0 183	23 10 230 LOSS 0 179 661 0 0 0 479	158 1633 0 0 0 0 0	77 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	88 0 0 88 GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				1.7 0 0 0 0 0 0 0 0 92	11 9 9 99 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63	7 10 70 LOSS 0 0 0 125 0 0	0 0 173 0 0 0 0 32	20 6 0 0	200 100 200 LOSS 357 107 0 0 481 403	317 249 0 0 0 93 78 0	0 0 0 0 20 279 0	28 11 308 LOS 161 0 0 0 481 730 0	S GAII 143 0 0 0 0 93 141			0 0 0 0 222	38 10 361 LOSS 107 0 0 0 0 0 741	95 0 0 0 0 0 0 143	3 0 0 0 0 20 0 426	180 10 1284 LOSS 54 0 0 0 0 481 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7	0 0 34 0 0 0 226 0	26 10 260 LOSS 0 0 607 0 0 591 0	GAIN 0 0 842 0 0 0 114	37 0 0 0 0 183 0	23 10 230 LOSS 0 179 661 0 0 0 479 0	158 1533 0 0 0 0 0 93	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				7 0 0 0 0 0 92 0 253	99 95 GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 349 173	0 0 7 0 0 0 63 0	7 10 70 LOSS 0 0 0 125 0 0 0 166	0 0 173 0 0 0 32 0	20 6 0 0 20 154 0	200 100 2000 LOSS 357 107 0 0 481 403 0	317 249 0 0 0 93 78 0	0 0 0 20 279 0	28 11 308 LOS 161 0 0 0 481 730 0	S GAII 143 0 0 0 0 93 141			0 0 0 0 222 0	38 10 361 LOSS 107 0 0 0 0 0 741	95 0 0 0 0 0 0 143	3 0 0 0 0 20 0 426	180 10 1284 LOSS 54 0 0 0 481 0 1422 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMI WALL ABOVE GR EXPOSED CLG	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0	26 10 260 LOSS 0 0 607 0 0 591 0	GAIN 0 0 842 0 0 0 114 0	37 0 0 0 0 183 0	23 10 230 LOSS (179 661 0 0 0 479 0	158 1633 0 0 0 0 0 93 0	77 1 1 77 LC 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				L 7 0 0 0 0 0 92 0 253	99 95 GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 349 173 0 0	0 0 7 0 0 0 63 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0	0 0 173 0 0 0 32 0 0	20 6 0 0 20 154 0	200 100 2000 LOSS 357 107 0 0 481 403 0 0	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 11 308 LOS 161 0 0 0 481 730 0 0	S GAII 143 0 0 0 0 93 141 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 0 741	95 0 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0	180 10 1284 LOSS 54 0 0 0 0 481 0 1422 0
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EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO A TITIC EXPOSED CLG EXPOSED CLG BASEMENT/CRAWL HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0	26 10 260 LOSS 0 0 607 0 0 591 0	GAIN 0 0 842 0 0 0 114 0	37 0 0 0 0 183 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0	158 1533 0 0 0 0 0 93 0	77 11 77 10 10 10 10 10 10 10 10 10 10 10 10 10	88 0 0 88 GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				L 7 0 0 0 0 0 92 0 253	11 9 99 99 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 341 47 0 0 349 173 0 0 0 0	0 0 7 0 0 0 63 0	7 10 70 LOSS 0 0 125 0 0 0 166 0	0 0 173 0 0 0 32 0 0	20 6 0 0 20 154 0	200 100 2000 LOSS 357 107 0 0 481 403 0 0 0	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 111 308 LOS 161 0 0 0 481 730 0 0 0	S GAII 143 0 0 0 0 93 141 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 0 741 0	95 0 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0	180 10 1284 LOSS 54 0 0 0 0 481 0 1422 0
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTI/CRAW. HEAT LOSS SLAB ON GRADE HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0	26 10 260 LOSS 0 0 607 0 0 591 0 0	GAIN 0 0 842 0 0 0 114 0	37 0 0 0 0 183 0	230 LOSS 0 179 661 0 0 0 479 0 0 0	158 1533 0 0 0 0 0 93 0	77 11 15 10 10 10 10 10 10 10 10 10 10 10 10 10	88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				L 7 0 0 0 0 0 92 0 253 0	11 9 99 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 241 47 0 0 349 173 0 0 0 0	0 0 7 0 0 0 63 0	7 10 70 LOSS 0 0 125 0 0 0 165 0 0	0 0 173 0 0 0 32 0 0	20 6 0 0 20 154 0 0	200 100 2000 LOSS 357 107 0 0 0 481 403 0 0 0	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 111 308 LOS 161 0 0 0 481 730 0 0 0	S GAIII 143 0 0 0 0 93 141 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0	180 10 1284 LOSS 5 54 0 0 0 0 481 0 1422 0 0 0 6134
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0	26 10 260 LOSS 0 0 607 0 0 591 0 0	GAIN 0 0 842 0 0 114 0 0	37 0 0 0 0 183 0	230 LOSS (179 661 0 0 0 0 479 0 0 0 0 0 1318	158 1633 0 0 0 0 93 0 0	77 11 77 10 10 10 10 10 10 10 10 10 10 10 10 10	88 0 88 GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				L 7 0 0 0 0 0 92 0 253 0	11 9 99 99 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 241 47 0 0 0 349 173 0 0 0 0 0	0 0 7 0 0 0 63 0	7 10 70 LOSS 0 0 0 125 0 0 165 0 0 0	0 0 173 0 0 0 32 0 0	20 6 0 0 20 154 0 0	200 100 2000 LOSS 357 107 0 0 481 403 0 0 0	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 111 308 LOS 161 0 0 0 481 730 0 0 0	S GAIII 1433 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 0 741 0	95 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0	180 10 1284 LOSS 6 0 0 0 481 0 1422 0 0 6134
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL. HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0	GAIN 0 0 842 0 0 0 114 0	37 0 0 0 0 183 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0	158 1633 0 0 0 0 93 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0 88 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				7 0 0 0 0 0 92 0 253 0	11 9 99 99 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0 0 0 290	0 0 173 0 0 0 32 0 0 0	20 6 0 0 20 154 0 0	200 100 200 LOSS 357 107 0 0 481 403 0 0 0 0	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 111 308 LOS 161 0 0 0 481 730 0 0 0 0 0 1372	S GAII 143 0 0 0 0 93 141 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0	180 10 1284 LOSS 54 0 0 0 481 0 1422 0 0 6134
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NO ATTIC EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0 1198	GAIN 0 0 842 0 0 114 0 0	37 0 0 0 0 183 0	23 10 230 LOSS (179 661 0 0 0 479 0 0 0 0 1318	158 1633 0 0 0 0 93 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 0 88 0 88 0 0 0 0 0 0 0 0 0 0 0 0 0 0				7 0 0 0 0 0 92 0 253 0	11 9 99 98 GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 241 47 0 0 0 241 47 0 0 0 0 0 0 0 714 331	0 0 7 0 0 0 63 0 0	7 10 70 LOSS 0 0 0 125 0 0 165 0 0 0 290	0 0 173 0 0 0 32 0 0 0	20 6 0 0 20 154 0 0	200 100 200 LOSS 357 107 0 0 481 403 0 0 0 0 1348	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 111 3088 LOSS 1611 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1377 0.568	S GAII 143 0 0 0 0 0 93 1441 0 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 54 0 0 0 481 0 1422 0 0 6134 8091
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL MET EXPOSED WALL MET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0	GAIN 0 0 8422 0 0 0 114 0 0	37 0 0 0 0 183 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 1318	158 1533 0 0 0 0 0 93 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0				7 0 0 0 0 0 92 0 253 0	111 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 241 47 0 0 0 3349 173 0 0 0 0 714 331	0 0 7 0 0 0 63 0 0	7 10 70 LOSS 0 0 125 0 0 0 166 0 0 0 0 0 0	0 0 173 0 0 0 32 0 0 0	20 6 0 0 20 154 0 0	200 100 200 LOSS 357 107 0 0 481 403 0 0 0 0	317 249 0 0 0 93 78 0 0 0	0 0 0 20 279 0 0	28 111 308 LOS 161 0 0 0 481 730 0 0 0 0 0 1372	S GAII 1433 0 0 0 0 0 0 93 1441 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0 0	180 10 1284 LOSS 54 0 0 0 481 0 1422 0 0 6134
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMI WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0 1198	GAIN 0 0 842 0 0 114 0 0	37 0 0 0 0 183 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 1318	158 1633 0 0 0 0 93 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0				7 0 0 0 0 0 92 0 253 0	111 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0 0 0 0 290	0 0 173 0 0 0 32 0 0 0	20 6 0 0 20 154 0 0	200 100 2000 LOSS 357 100 0 0 481 403 0 0 0 0 0 1348	317 249 0 0 0 93 78 0 0	0 0 0 20 279 0 0	28 111 3088 LOS 161 0 0 0 48117300 0 0 0 1377	S GAII 143 0 0 0 0 0 93 1441 0 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 0 0 0 481 0 1422 0 0 6134 8091
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL MET EXPOSED BIMI WALL ABOVE GR EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0 1198	GAIN 0 0 8422 0 0 0 1114 0 0 0 0 9556	37 0 0 0 0 183 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 1318	158 1633 0 0 0 0 0 0 93 0 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0 88 68 68 68 68 68 68 68 68 68 68 68 68				7 0 0 0 0 0 92 0 253 0	111 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0 0	7 10 70 LOSS 0 0 125 0 0 0 166 0 0 0 0 0 0	0 0 173 0 0 0 32 0 0 0 0 0	20 6 0 0 20 154 0 0	200 100 200 LOSS 357 107 0 0 481 403 0 0 0 0 1348	317 249 0 0 0 93 78 0 0 0 0	0 0 0 20 279 0 0	28 111 3088 LOSS 1611 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1377 0.568	S GAIII 143 0 0 0 0 0 93 141 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 143 0	3 0 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 54 0 0 0 481 0 1422 0 0 6134 8091
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SUB TOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MUL TIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT GAIN	17.9 17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0 1198	GAIN 0 0 0 842 0 0 0 1114 0 0 0 0 9566	37 0 0 0 183 0 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 1318	158 1633 0 0 0 0 0 93 0 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 0 8 0 8 8 6 8 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				7 0 0 0 0 0 92 0 253 0	11 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 241 47 0 0 0 241 47 0 0 0 714 331 0 0 0 714 331 0 0 0	0 0 7 0 0 0 63 0 0 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0 0 0 0 290	0 0 173 0 0 0 32 0 0 0 0 0	20 6 0 0 0 20 154 0 0	200 100 2000 LOSS 357 100 0 0 481 403 0 0 0 0 0 1348	317 249 0 0 0 93 78 0 0 0 0	0 0 0 20 279 0 0 0	28 111 3088 LOS 161 0 0 0 48117300 0 0 0 1377	S GAIII 143 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 143 0 0	3 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 0 0 0 481 0 1422 0 0 6134 8091
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED ELG EXPOSED FLOOR BASEMENTICRAW. HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR! MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT GAIN HEAT GAIN PEOPLE	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0	26 10 260 LOSS 0 0 607 0 0 0 591 0 0 0 0 1198	GAIN 0 0 0 842 0 0 0 1114 0 0 0 0 0 9566 74 0 0 0	37 0 0 0 0 183 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 1318 0.65 725	158 1633 0 0 0 0 93 0 0 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				7 0 0 0 0 0 92 0 253 0	111 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 241 47 0 0 0 3349 173 0 0 0 0 714 331 230 216 26 0 0 240	0 0 7 0 0 0 63 0 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0 0 0 0 290	0 0 173 0 0 0 32 0 0 0 0 0	20 6 0 0 20 154 0 0	200 100 2000 LOSS 357 100 0 0 481 403 0 0 0 0 0 1348	317 249 0 0 0 93 78 0 0 0 0	0 0 0 20 279 0 0	28 111 3088 LOS 161 0 0 0 48117300 0 0 0 1377	S GAIII 1433 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 0 143 0 0 0	3 0 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 0 0 0 481 0 1422 0 0 6134 8091
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMI WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAW. HEAT LOSS SUB TOTAL HT GAIN LEVEL FAGTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE HEAT GAIN APPLIANCES/LIGHTS	17.9 17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0 0	26 10 260 LOSS 0 0 607 0 0 591 0 0 0 0 1198	GAIN 0 0 0 842 0 0 0 1114 0 0 0 0 9566	37 0 0 0 183 0 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 0 0 1318	158 1633 0 0 0 0 0 93 0 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0				L 7 0 0 0 0 0 0 92 0 253 0 0 0 1	111 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0 0 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 173 0 0 0 32 0 0 0 0 0	20 6 0 0 0 20 154 0 0 0	200 100 2000 LOSS 357 107 0 0 481 403 0 0 0 0 0 1348 0.56 742	317 249 0 0 0 93 78 0 0 0 0	0 0 0 20 279 0 0 0	28 111 3088 LOS 161 0 0 0 0 481 730 0 0 0 1377 0.56 755 0	S GAIII 1433 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0 0	38 10 361 LOSS 107 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	95 0 0 0 0 0 143 0 0	3 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 0 0 0 481 0 0 1422 0 0 6134 8091 0.95 8499
EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	17.9 17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	GAIN 15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 34 0 0 0 226 0 0 0	26 10 260 LOSS 0 0 607 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GAIN 0 0 0 842 0 0 0 1114 0 0 0 0 0 9566 74 0 0 0	37 0 0 0 183 0 0 0	23 10 230 LOSS 0 179 661 0 0 0 479 0 0 0 0 0 0 1318	158 1633 0 0 0 0 93 0 0 0 0 0	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 0				L 7 0 0 0 0 0 0 92 0 253 0 0 0 1	111 9 999 OSS GAIN 125 111 0 0 0 0 0 0 0 0 0 241 47 0 0 0 3349 173 0 0 0 0 714 331 230 216 26 0 0 240	0 0 7 0 0 0 63 0 0 0	7 10 70 LOSS 0 0 0 125 0 0 0 165 0 0 0 0 290 0.55 159	0 0 173 0 0 0 32 0 0 0 0 0	20 6 0 0 0 20 154 0 0 0	200 100 2000 LOSS 357 107 0 0 481 403 0 0 0 0 0 1348 0.55 742 0	317 249 0 0 0 93 78 0 0 0 0	0 0 0 20 279 0 0 0	28 111 3088 LOS 161 0 0 0 48117300 0 0 0 1377	S GAIII 1433 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 2222 0 0	38 10 361 LOSS 107 0 0 0 741 0 0	95 0 0 0 0 0 0 143 0 0 0	3 0 0 0 20 0 426 0 0	180 10 1284 LOSS 6 0 0 0 481 0 1422 0 0 6134 8091

TOTAL HEAT GAIN BTU/H:

41101

TONS: 3.43

LOSS DUE TO VENTILATION LOAD BTU/H: 2354

STRUCTURAL HEAT LOSS: 47233

TOTAL COMBINED HEAT LOSS BTUIH: 49586

Michael Offinha. INDIVIDUAL BCIN: 19669



SITE NAME: LECCO RIDGE BUILDER: GREENPARK HOMES TYPE: JUNIPER 7 DATE: Dec-16 GFA: 3113 LO# 71352 furnace pressure 0.6 COOLING CFM 1316 0.05 HEATING CFM 1316 ~*AMANA AFUE = 96.0 % fumace filter TOTAL HEAT LOSS 47,233 TOTAL HEAT GAIN 40.646 a/c coil pressure 0.2 AMVC960804CNA INPUT (BTU/H) = 80,000 AIR FLOW RATE CFM 27.86 AIR FLOW RATE CFM 32.38 available pressure FAN SPEED OUTPUT (BTU/H) = 76.800for s/a & r/a 0.35 LOW 1316 **RUN COUNT** 4th 3rd 2nd 1st Bas MEDLOW 0 DESIGN CFM = 1316 CFM @ .6 " E.S.P. 0 0 12 5 plenum pressure s/a 0.18 r/a pressure 0.17 MEDIUM 1389 0.03 r/a grille press. Loss 0.02 MEDIUM HIGH R/A 0 0 max s/a dif press loss Ω All S/A diffusers 4"x10" unless noted otherwise on layout. min adjusted pressure s/a 0.15 adjusted pressure r/a 0.15 HIGH 1396 TEMPERATURE RISE 54 °F All S/A runs 5"Ø unless noted otherwise on layout. 10 14 17 RUN# 11 12 13 18 19 20 21 22 23 24 BED-3 KT/FM KT/FM KT/FM BED-2 BED-4 BATH BED-3 ENS MBR ENS-2 OFF LV/DN LAUN ROOM NAME MBR ENS WIC W/R FOY MUD BAS BAS BAS BAS 1.23 2.06 1.10 0.73 2.06 0.87 1.58 2.04 1.93 1.93 1.93 0.93 0.45 2.09 RM LOSS MBH 1.23 0.87 0.55 2.20 1.86 2.13 3.49 3.49 3.49 3.49 **CFM PER RUN HEAT** 34 24 15 61 57 31 20 57 24 34 57 52 54 54 54 26 13 58 59 97 97 97 97 2.23 3.32 2.68 2.68 2.68 RM GAIN MBH. 2.13 0.95 0.55 3.77 3.41 1.94 0.47 3.41 0.95 2.13 2.16 1.60 0.29 1.03 1.35 0.18 0.18 0.18 0.18 CFM PER RUN COOLING 122 110 63 15 110 31 69 72 108 70 87 87 87 52 33 44 31 18 9 69 6 ß 6 6 ADJUSTED PRESSURE 0.17 0.17 0.17 0.15 0.15 0.17 0.17 0.15 0.17 0.17 0.17 0.15 0.17 0.16 0.16 0.16 0.17 0.17 0.17 0.17 0.16 0.16 0.16 0.16 ACTUAL DUCT LGH 57 29 49 43 41 21 50 46 27 47 49 29 44 31 23 42 22 34 39 40 16 12 26 **EQUIVALENT LENGTH** 130 140 190 130 170 180 130 120 110 130 150 110 130 130 160 120 140 170 120 110 130 120 120 100 199 169 173 181 211 180 216 207 177 169 139 137 194 141 153 172 182 154 149 170 136 132 TOTAL EFFECTIVE LENGTH 197 126 0.07 80.0 0.1 0.1 0.13 0.08 ADJUSTED PRESSURE 0.09 0.09 0.1 0.09 0.08 0.08 0.1 0.11 0.11 0.11 0.1 0.09 0.11 0.12 0.1 0.12 0.12 0.13 5 6 6 5 5 5 ROUND DUCT SIZE 5 6 5 6 5 5 5 4 4 4 4 6 5 6 HEATING VELOCITY (ft/min) 250 275 172 311 291 228 229 291 275 250 323 291 382 275 396 396 298 149 665 677 495 712 712 712 172 561 507 529 551 514 444 639 639 103 COOLING VELOCITY (ft/min) 507 356 207 561 463 356 597 379 505 622 31 44 44 44 4X10 3X10 4X10 3X10 3X10 3X10 4X10 3X10 4X10 3X10 3X10 3X10 OUTLET GRILL SIZE 3X10 3X10 3X10 4X10 3X10 3X10 3X10 3X10 4X10 3X10 3X10 3X10 TRUNK С RUN# 25 ROOM NAME BAS 3.49 RM LOSS MBH CFM PER RUN HEAT 97 RM GAIN MBH 0.18 CFM PER RUN COOLING 6 ADJUSTED PRESSURE 0.16 ACTUAL DUCT LGH 28 RECEIVED EQUIVALENT LENGTH 130 TOTAL EFFECTIVE LENGTH 158 TOWN OF MILTON ADJUSTED PRESSURE 0.1 MAR 29, 2017 ROUND DUCT SIZE 6 HEATING VELOCITY (ft/min) 495 JUNIPER 7 COOLING VELOCITY (ft/min 31 OUTLET GRILL SIZE 4X10 **BUILDING DIVISION** TRUNK R SUPPLY AIR TRUNK SIZE RETURN AIR TRUNK SIZE VELOCITY TRUNK STATIC ROUND RECT VELOCITY TRUNK STATIC ROUND RECT VELOCITY TRUNK STATIC ROUND REC1 CFM PRESS. DUCT DUCT PRESS DUCT DUCT (ft/min PRESS DUCT DUCT (fl/min) (ft/min) TRUNK A 270 0.08 8.6 608 TRUNK G 0.00 0 0 TRUNK O 0 0.06 0 0 0 TRUNK B 645 0.08 11.9 16 8 726 TRUNK H 0 0.00 0 0 8 0 TRUNK P 0 0.06 0 0 8 0 TRUNK C 339 0.07 9.7 12 509 TRUNK I 0 0.00 0 0 8 TRUNK Q 0 0.06 0 8 0 TRUNK D 668 0.07 12.5 18 8 668 TRUNK J 0 0.00 0 0 8 0 TRUNK R 0 0.06 0 8 0 TRUNK F n 0.00 ٥ n R 0 TRUNK K O 0.00 0 0 8 TRUNK S 0 0.06 n 0 X TRUNK F 0.00 TRUNK L 0.00 TRUNK T 0 0.06 0 0 0 TRUNK U 0.06 8 n TRUNK V 0 0.06 0 0 BR RETURN AIR # 6 TRUNK W n 0.06 0 n Λ 0 0 Λ n n Λ Λ 0 ٥ TRUNK X 1141 0.06 15.8 30 685 Λ Λ Λ 12.8 20 581 AIR VOLUME 155 185 175 90 155 335 0 0 TRUNK Y 645 0.06 0.15 0.15 0.15 12 8 465 0.15 0.15 0.15 0.15 0.15 0.15 TRUNK 7 310 0.06 9.7 PLENUM PRESSURE 0.15 0.15 0.15 0.15 0.15 0.15 0.15 24 63 52 52 52 46 23 14 DROP 1316 0.06 16.7 658 ACTUAL DUCT LGH. EQUIVALENT LENGTH 195 145 170 175 200 185 0 0 0 0 0 0 145 159 258 222 227 TOTAL EFFECTIVE LH 197 246 208 0.06 0.08 0.07 0.07 0.06 0.07 14.80 14.80 14.80 14.80 14.80 14.80 14.80 14.80 14.80 0.09 ADJUSTED PRESSURE ROUND DUCT SIZE 7.5 7.5 7.5 5.9 7.5 9.6 0 0 0 0 0 7.7 0 0 0 0 0 0 0 0 8 8 0 INLET GRILL SIZE 8 8 8 8 Х Х Х Х Х Х Х Х Х Х X X Х 24 INLET GRILL SIZE



TYPE: SITE NAME:

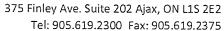
JUNIPER 7

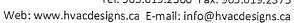
LECCO RIDGE

LO# 71352

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL VENT	ILATION CAPACITY	9.32.3.5.
a) Direct vent (sealed combustion) only		Total Ventilation Capacity	-	190.8 cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Ventil. Cap	acity	86 cfm
c) Natural draft, B-vent or induced draft gas fireplace		Required Supplemental C	apacity	104.8 cfm
d) Solid Fuel (including fireplaces)				
e) No Combustion Appliances		PRINCIPAL EXHAUST F	AN CAPACITY	
		Model:	VANEE 40H+	Location: BSMT
HEATING SYSTEM		86.0 cfm	1 3.0 sones	✓ HVI Approved
Forced Air Non Forced Air		PRINCIPAL EXHAUST H	EAT LOSS CALCULATION ΔΤ °F	FACTOR % LOSS
		86.0 CFM X		FACTOR % LOSS 1.08 X 0.35
Electric Space Heat		SUPPLEMENTAL FANS		NUTONE
		Location	Model	cfm HVI Sones
HOUSE TYPE	9.32.1(2)	ENS BATH	QTXEN050C QTXEN050C	50 ✓ 0.3 50 ✓ 0.3
Type a) or b) appliance only, no solid fuel		ENS-2	QTXEN050C	50 7 0.3
II Tone I avecativith solid final (including functions)		W/R	QTXEN050C	50 ✓ 0.3
II Type I except with solid fuel (including fireplaces) III Any Type c) appliance		HEAT RECOVERY VENT	TLATOR VANEE 40H+	9.32.3.11.
		86	cfm high	37 cfm low
IV Type I, or II with electric space heat		65	% Sensible Efficiency	✓ HVI Approved
Other: Type I, II or IV no forced air			@ 32 deg F (0 deg C)	
NOTE I PRODUCTION		LOCATION OF INSTALL	ATION	RECEIVED
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	Lot:		
1 Exhaust only/Forced Air System		Township	-	MAR 29, 2017 JUNIPER 7
2 HRV with Ducting/Forced Air System		Township	F	BUILDING DIVISION
✓ 3 HRV Simplified/connected to forced air system		Address		
4 HRV with Ducting/non forced air system		Roll#	PLANNIN	TOWN OF MILTON G AND DEVELOPMENT
Part 6 Design		BUILDER:	Gr	JUNIPER 7 MODEL
		Name:	BUILDING: REV SCOTT SHERRI	
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:	PLANS EXAMINER	DATE f a permit nor carrying out of
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:	inspections by the Tow	n of Milton relives the owner from mpliance with the provisions of
- Gentlepseut			the Ontario Building Co	ode Act and the Ontario Building d, as well as other applicable
	cfm	Telephone #:	statutes and regulation	s of the Province on Ontario, of Halton and Town of Milton
Kitchen & Bathrooms5 @ 10.6 cfm53	cfm	INSTALLING CONTRACT	TOR STATE OF THE PROPERTY.	I TIGHT GIT GIT GIT TOWN OF THIRD
Other Rooms <u>6</u> @ 10.6 cfm <u>63.6</u>	cfm	Name:		
Table 9.32.3.A. TOTAL 190.8	cfm	Address:	M14-7-MANA	
PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)	City:		
	5102.0.4.(1)	Telephone #:	F	fax #:
1 Bedroom 31.8 cfm		DESIGNER CERTIFICAT	10N	
2 Bedroom 47.7 cfm		in accordance with the On	-	gned
3 Bedroom 63.6 cfm		Name:	HVAC Designs Ltd.	. 0.
4 Bedroom 79.5 cfm		Signature:	Michael	Offinhe.
5 Bedroom 95.4 cfm		HRAI#		001820
More than 5 - Part 6 TOTAL 79.5 cfm I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUA	LIFIED IN THE 400	Date:		cember-16
THE SECOND WORK AND AND GOA		OTTE GATEGORI NO NIT OTHE		LIO OF THE DUILDING CODE.







HEAT LOSS AND GAIN SUMMARY SHEET

		116/11 6	COOTTITE CA	III JOIVIIVIAILI JIILLI	
MODEL:	JUNIPER 7			BUILDER: GREENPARK HOM	IES
SFQT:	3113	LO#	71352	SITE: LECCO RIDGE	
DECICN A	CC114.071.0410				
DESIGN A	SSUMPTIONS				
HEATING			°F	COOLING	°F
OUTDOOL	R DESIGN TEMP.		0	OUTDOOR DESIGN TEMP.	86
INDOOR [DESIGN TEMP.		72	INDOOR DESIGN TEMP. (MAX 75°F)	72
BUILDING	DATA	Annual Control of the			· · · · · · · · · · · · · · · · · · ·
ATTACHN	IFNT:	ſ	DETACHED	# OF STORIES (+BASEMENT):	2
ATTACHIV	ILIVI.	ı	DETACHED	# OF STORIES (+BASEMENT):	3
FRONT FA	CES:		EAST	ASSUMED (Y/N):	Υ
AIR CHAN	GES PER HOUR:		3.57	ASSUMED (Y/N):	Υ
AIR TIGHT	NESS CATEGORY:		AVERAGE	ASSUMED (Y/N):	Υ
	MESS GALEGOAL.		AVENAGE	ADSOMED (1714).	T
WIND EXPOSURE:		S	HELTERED	ASSUMED (Y/N):	Y
HOOSE VO	HOUSE VOLUME (ft³):		42801.0	ASSUMED (Y/N):	Y
INTERNAL	SHADING:	BLINDS/	CURTAINS	ASSUMED OCCUPANTS:	5
		,		7.550.11.25 0.00017.11415.	J
INTERIOR	LIGHTING LOAD (Btu/	h/ft²):	1.40	DC BRUSHLESS MOTOR (Y/N):	Y
50					
FOUNDAT	ION CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.5 ft
LENGTH:	51.0 ft	WIDTH:	39.0 ft	EXPOSED PERIMETER:	180.0 ft
			55.01.	Em OSED I EMMETER.	100.010

2012 OBC - COMPLIANCE PACKAGE		
Component		Compliance Package ENERGYSTAR
Ceiling with Attic Space Minimum RSI (R)-Value		50
Ceiling Without Attic Space Minimum RSI (R)-Value		31
Exposed Floor Minimum RSI (R)-Value		31
Walls Above Grade Minimum RSI (R)-Value	20 + 5	
Basement Walls Minimum RSI (R)-Value	20	
Below Grade Slab Entire surface > 600 mm below grade Minimum RS	SI (R)-Value	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-\	/alue	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value		10
Windows and Sliding Glass Doors Maximum U-Value	RECEIVED	ZONE 2
Skylights Maximum U-Value	TOWN OF MILTO	ZONE 2
Space Heating Equipment Minimum AFUE	MAR 29, 2017 JUNIPER 7	0.95
HRV Minimum Efficiency	BUILDING DIVISION	65%
Domestic Hot Water Heater Minimum EF	BUILDING DIVISIO	90% TE

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE





Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

We	ather Sta	tion Description
Province:	Ontario	
Region:	Milton	
	Site D	escription
Soil Conductivity:	Normal	conductivity: dry dand, loam, clay
Water Table:	Normal (7-10 m, 23-33 ft)
F	oundatio	n Dimensions
Floor Length (m):	15.5	
Floor Width (m):	11.9	
Exposed Perimeter (m):	0.0	
Wall Height (m):	2.9	
Depth Below Grade (m):	2.0	Insulation Configuration
Window Area (m²):	0.8	
Door Area (m²):	1.9	
	Radi	ant Slab
Heated Fraction of the Slab:	0	
Fluid Temperature (°C):	33	
	Desig	n Months
Heating Month	1	
	Founda	tion Loads
Heating Load (Watts):		1797

TYPE: JUNIPER 7 **LO#** 71352

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 7 BUILDING DIVISION



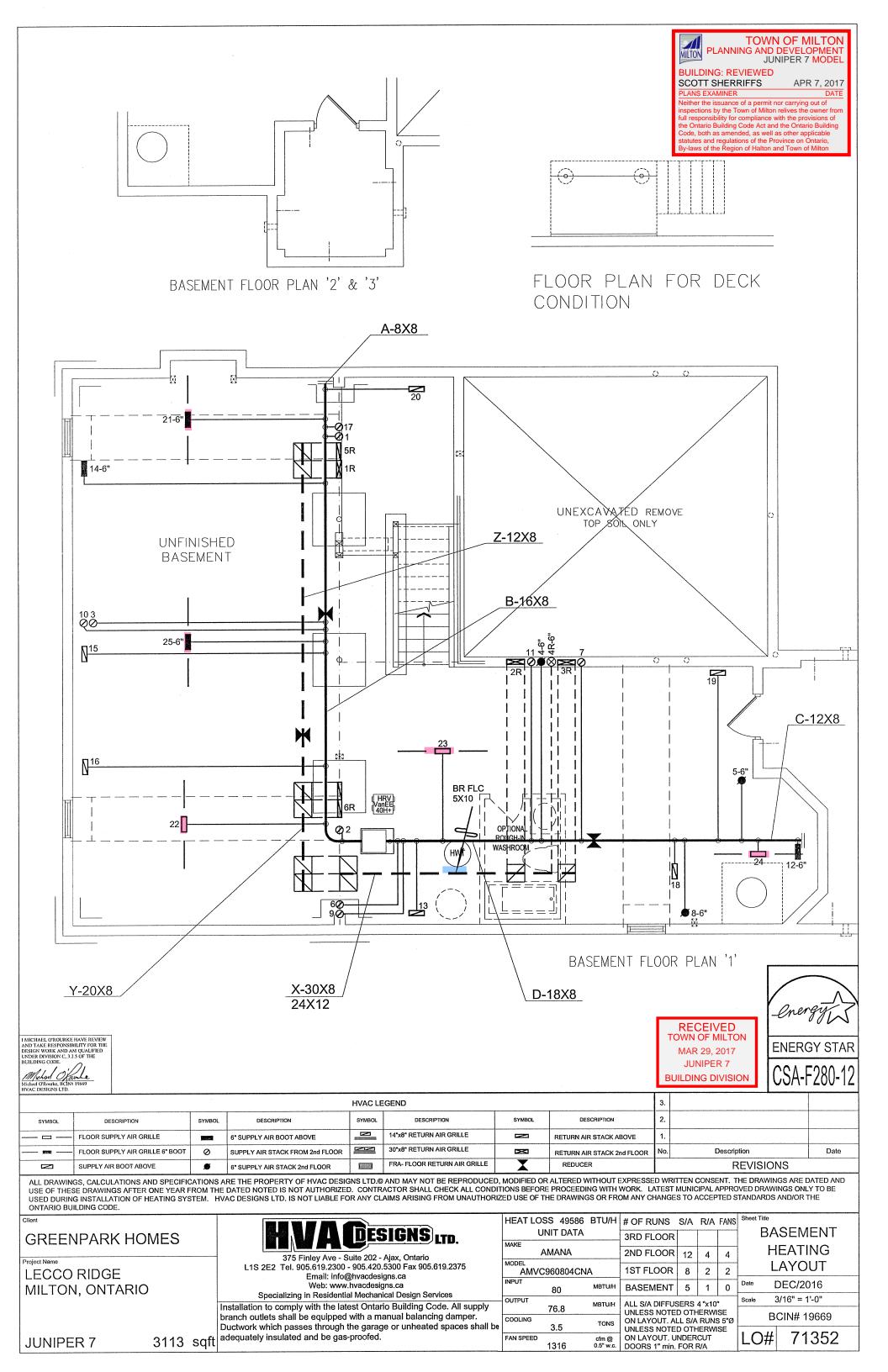
Air Infiltration Residential Load Calculator

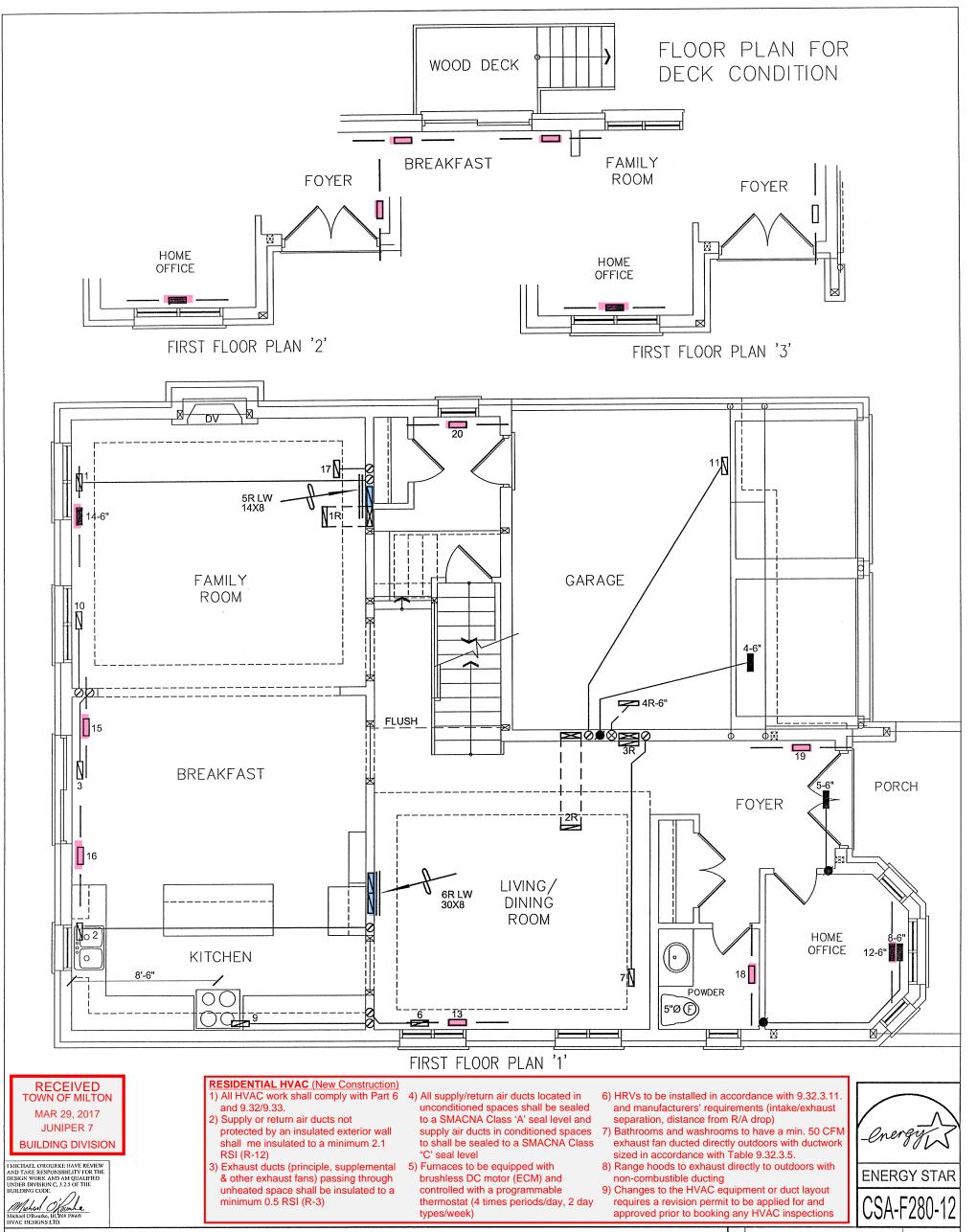
Supplemental tool for CAN/CSA-F280

Weather Statio	n Des	cripti	ion	Omini Politinia in presidenti	
Province:	Ontar	io			
Region:	Milto	n			
Weather Station Location:	Open	flat te	rrain, g	rass	
Anemometer height (m):	10				
Local Shi	eldin	g			
Building Site:	Subur	ban, fo	orest	A A I CANAL TIME, I	West to \$ 100 to \$100 \$ 1.00 \$
Walls:	Heavy	/			
Flue:	Heavy	/			
Highest Ceiling Height (m):	6.71				
Building Con	figura	ation			
Type:	Detac	hed			
Number of Stories:	Two				
Foundation:	Full				
House Volume (m³):	1212.	0			
Air Leakage/	Ventil	ation)		
Air Tightness Type:	Prese	nt (196	51-) (3.	57 ACH	⊣)
Custom BDT Data:	ELA @	10 Pa	ì.	200	1615.6 cm²
	3.57				ACH @ 50 Pa
Mechanical Ventilation (L/s):	To	tal Sup	ply		Total Exhaust
		40.6			40.6
Flue S	Size				
Flue #:	#1	#2	#3	#4	
Diameter (mm):	0	0	0	0	
Natural Infiltr	ation	Rate	S		
Heating Air Leakage Rate (ACH/H):		0	.30	7	
Cooling Air Leakage Rate (ACH/H):		0	.10	5	

TYPE: JUNIPER 7 **LO#** 71352

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 7 BUILDING DIVISION





		3.								
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	FLOOR SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	FLOOR SUPPLY AIR GRILLE 6" BOOT	0	SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE	M	RETURN AIR STACK 2nd FLOOR	No.	Description	Date
	SUPPLY AIR BOOT ABOVE	ø	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER		REVISIONS	

ALL DRAWINGS, CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF HVAC DESIGNS LTD.@ AND MAY NOT BE REPRODUCED, MODIFIED OR ALTERED WITHOUT EXPRESSED WRITTEN CONSENT. THE DRAWINGS ARE DATED AND USE OF THESE DRAWINGS AFTER ONE YEAR FROM THE DATED NOTED IS NOT AUTHORIZED. CONTRACTOR SHALL CHECK ALL CONDITIONS BEFORE PROCEEDING WITH WORK. LATEST MUNICIPAL APPROVED DRAWINGS ONLY TO BE USED DURING INSTALLATION OF HEATING SYSTEM. HVAC DESIGNS LTD. IS NOT LIABLE FOR ANY CLAIMS ARISING FROM UNAUTHORIZED USE OF THE DRAWINGS OR FROM ANY CHANGES TO ACCEPTED STANDARDS AND/OR THE ONTARIO BUILDING CODE.

GREENPARK HOMES

LECCO RIDGE MILTON, ONTARIO

DESIGNS LTD.

375 Finley Ave - Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

Specializing in Residential Mechanical Design Services

Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.



BUILDING: REVIEWED

SCOTT SHERRIFFS APR 7, 2017 PLANS EXAMINER

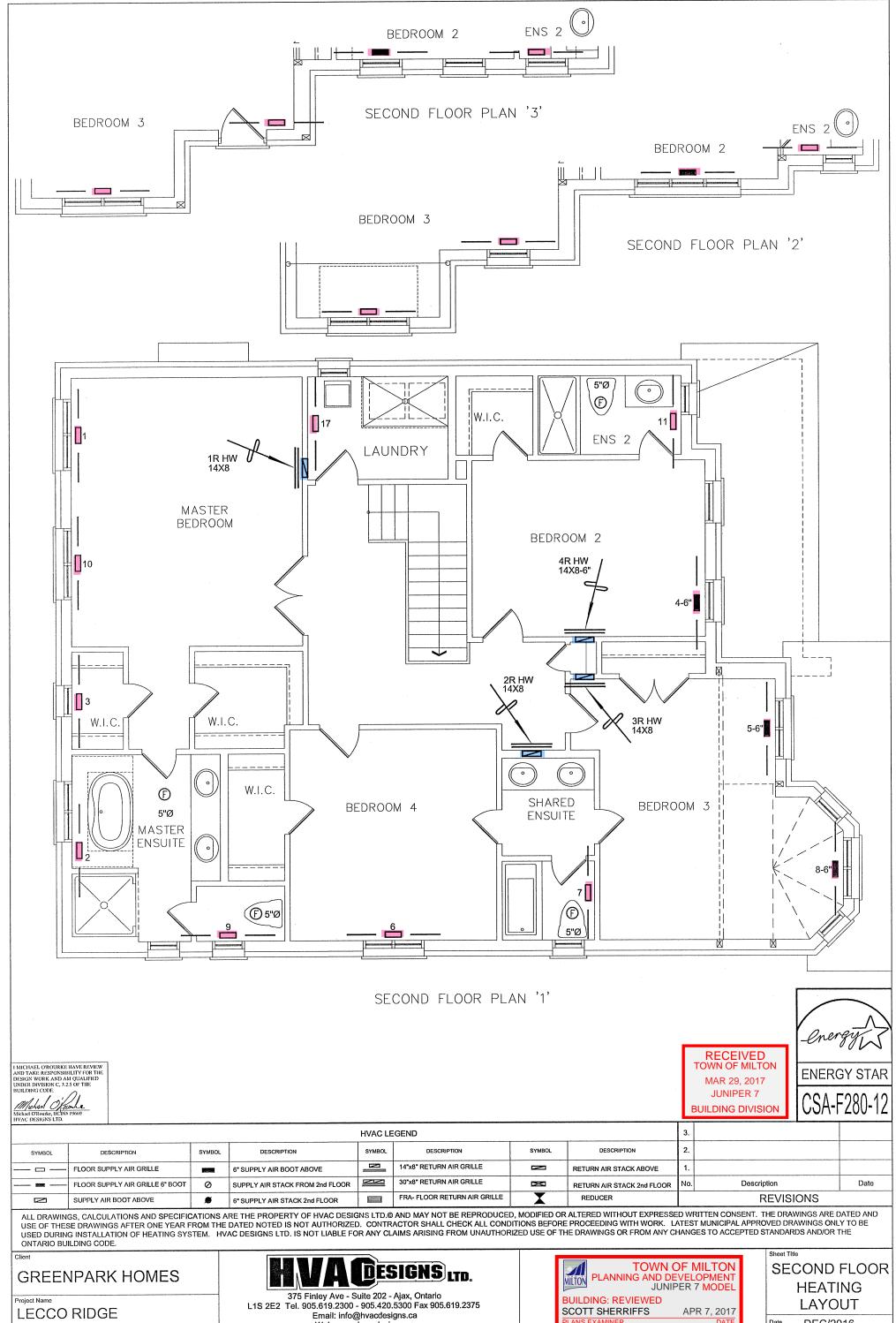
Neither the issuance of a permit nor carrying out of nspections by the Town of Milton relives the owner from full responsibility for compliance with the provisions of the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable tatutes and regulations of the Province on Ontario, by-laws of the Region of Halton and Town of Milton

FIRST FLOOR **HEATING** LAYOUT

Date DEC/2016 3/16" = 1'-0" BCIN# 19669

71352 LO#

JUNIPER 7 3113 sqft



MILTON, ONTARIO

Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

Specializing in Residential Mechanical Design Services

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PLANS EXAMINER Neither the issuance of a permit nor carrying out of nspections by the Town of Milton relives the owner from full responsibility for compliance with the provisions of the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable

DEC/2016 Date 3/16" = 1'-0" Scale BCIN# 19669

tatutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton 71352 LO# adequately insulated and be gas-proofed. JUNIPER 7 3113 sqft